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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kenneth W. Marr et al.

Examiner: Owens, Douglas

Patent No.: 6,836,000

Group Art Unit: 2811

Issue Date: December 28, 2004

Docket No: 303.650US1

Title: ANTIFUSE STRUCTURE AND METHOD OF USE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the attached:

- ☒ A check in the amount of \$100.00 to cover the Certificate of Correction fee.
- ☒ Request for Certificate of Correction.
- ☒ Certificate of Correction Form - PTO-1050 (in duplicate)
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Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer No: 21186

By: David R. Cochran

Name: David R. Cochran

Reg. No. 46,632

DRC:CMG:skb

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents and Trademarks, P.O. Box 1450, Alexandria VA 22313-1450, on this 29 day of March 2005.

Stephanie K. Bangston
Name

Stephanie K. Bangston
Signature



Patent 6,836,000

PATENT

IN UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 6,836,000

Docket No: 303.650US1

Issue Date: December 28, 2004

Patentee: Kenneth W. Marr et al.

Customer No.: 21186

Confirmation No.: 2686

Title ANTIFUSE STRUCTURE AND METHOD OF USE

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

Pursuant to 1.20(a), enclosed please find a check in the amount of \$100.00.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No.19-0743.

Respectfully Submitted

KENNETH W. MARR ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6900

Date: 28 MARCH 2005

By: David R. Cochran

David R. Cochran
Reg. No: 46,632
DRC:CMG:skb

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 24 day of March 2005

Name Stephanie K. Bangston

Signature Stephanie K. Bangston

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,836,000

Page (1) of 5

DATED : December 28, 2004

INVENTOR(S) : Marr et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in column 2, below "Assistant Examiner – Douglas W. Owens" insert

-- (74) Attorney, Agent, or Firm – Schwegman, Lundberg, Woessner & Kluth, P.A. --.

In column 2, line 48, after "Fig.4B" delete ".".

in column 5, line 11, delete "SO" and insert -- SOI --, therefor.

In column 5, line 48, insert -- p-n -- before "junction".

In column 7, line 31, after "the" delete "CD".

In column 8, line 1, delete "In the in" and insert -- In the --, therefor.

In column 10, line 1, delete "to" before "difference".

In column 11, line 16, in Claim 3, delete "a" and insert -- an --, therefor.

In column 11, line 23, in Claim 4, delete "a" and insert -- an --, therefor.

In column 11, line 25, in Claim 4, delete "an" and insert -- a --, therefor.

In column 11, line 37, in Claim 5, after "first" delete "conductivity" and insert -- conductive --, therefor.

In column 11, line 39, in Claim 5, after "first" delete "conductivity" and insert -- conductive --, therefor.

In column 11, line 57, in Claim 8, delete "a" and insert -- an --, therefor.

In column 11, line 58, in Claim 8, delete "an" and insert -- a --, therefor.

In column 11, line 59, in Claim 8, delete "an" and insert -- a --, therefor.

MAILING ADDRESS OF SENDER:

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PATENT NO : 6,836,000

Page (2) of 5

DATED : December 28, 2004

INVENTOR(S) : Marr et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 12, line 28, in Claim 13, delete "a" and insert - - an - -, therefor.

In column 12, line 29, in Claim 13, delete "an" and insert - - a - -, therefor.

In column 12, line 30, in Claim 13, delete "an" and insert - - a - -, therefor.

In column 12, line 61, in Claim 18, delete "a" and insert - - an - -, therefor.

In column 12, line 62, in Claim 18, delete "an" and insert - - a - -, therefor.

In column 12, line 63, in Claim 18, delete "an" and insert - - a - -, therefor.

In column 13, line 13, in Claim 20, delete "terminal and" and
insert - - type in - -, therefor.

In column 13, line 29, in Claim 22, after "negative" delete "positive".

In column 13, line 30, in Claim 22, delete "an" and insert - - a - - before "p-type".

In column 13, line 30, in Claim 22, delete "a" and insert - - an - -, therefor.

In column 13, line 42, in Claim 23, insert - - first - - before "conductivity".

In column 13, line 60, in Claim 25, after "comprises" insert - - coupling - -, therefor.

In column 13, line 64, in Claim 25, after "comprises" insert - - coupling - -.

In column 14, line 2, in Claim 25, delete "then" and insert - - the - -, therefor.

In column 14, line 9, in Claim 26, after "comprises" insert - - coupling - -.

In column 14, line 10, in Claim 26, delete "an" and insert - - a - -, therefor.

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PATENT NO : 6,836,000

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DATED : December 28, 2004

INVENTOR(S) : Marr et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 14, line 11, in Claim 26, delete "an" and insert - - a - -, therefor.

In column 14, line 11, in Claim 26, delete "a p-type" and insert - - an n-type - -, therefor.

In column 14, line 13, in Claim 26, after "comprises" insert - - coupling - -.

In column 14, line 17, in Claim 26, delete "then" and insert - - the - -, therefor.

In column 14, lines 19 – 30, in Claim 27, delete "A method of operating an integrated circuit comprising:

selecting an antifuse coupled between a first circuit and a second circuit in an integrated circuit;

coupling a first programming voltage to a well of a conductivity type in a substrate of a second conductivity type in the selected antifuse; and

coupling a second programming voltage to a conductive terminal of the second conductivity type in the selected antifuse to create a current path through an insulator between the conductive terminal and the well to program the selected antifuse." and insert - - A method of operating an integrated circuit comprising :

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PATENT NO : 6,836,000

Page (4) of 5

DATED : December 28, 2004

INVENTOR(S) : Marr et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

selecting an antifuse coupled between a circuit and an external pin in the integrated circuit; coupling a first programming voltage to the external pin that is coupled to a well of a first conductivity type in a substrate of a second conductivity type in the selected antifuse; and coupling a second programming voltage from the circuit to a conductive terminal of the second conductivity type in the selected antifuse to create a current path through an insulator between the conductive terminal and the well to program the selected antifuse.
- -, therefor.

In column 14, line 41, in Claim 29, delete "an" and insert - - the - -, therefor.

In column 14, line 43, in Claim 29, after "comprises" insert - - coupling - -.

In column 14, line 47, in Claim 29, after "comprises" insert - - coupling - -.

In column 14, line 52, in Claim 29, delete "then" and insert - -the - -, therefor.

In column 14, line 56, in Claim 30, delete "an" and insert - - the - -, therefor.

In column 14, line 58, in Claim 30, after "comprises" insert - - coupling - -.

In column 14, line 59, in Claim 30, delete "an" and insert - - a - -, therefor.

In column 14, line 60, in Claim 30, delete "an" and insert - - a - -, therefor.

In column 14, line 60, in Claim 30, delete "a" and insert - - an - -, therefor.

In column 14, line 62, in Claim 30, after "comprises" insert - - coupling - -.

In column 14, line 66, in Claim 30, delete "then" and insert - - the - -, therefor.

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PATENT NO : 6,836,000

Page (5) of 5

DATED : December 28, 2004

INVENTOR(S) : Marr et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 15, line 7, in Claim 31, delete "an" and insert -- the --, therefor.

In column 15, line 18, in Claim 32, after "the" delete "selected".

In column 15, line 22, in Claim 33, delete "an" and insert -- the --, therefor.

In column 15, line 33, in Claim 34, delete "an" and insert -- a -- before "p-type".

In column 15, line 33, in Claim 34, delete "a" and insert -- an --, therefor.

In column 15, line 33, in Claim 34, delete "an" and insert -- the --, therefor.

In column 16, line 16, in Claim 37, after "diffusion" insert -- region --.

In column 16, line 17, in Claim 37, after "diffusion" insert -- region --.

In column 16, line 26, in Claim 38, delete "an" and insert -- a --, therefor.

In column 16, line 26, in Claim 38, delete "a" and insert -- an --, therefor.

In column 16, line 28, in Claim 38, delete "an" and insert -- a --, therefor.

In column 16, line 28, in Claim 38, after "diffusion" insert -- region --.

In column 16, line 29, in Claim 38, delete "an" and insert -- a --, therefor.

In column 16, line 29, in Claim 38, after "diffusion" insert -- region --.

In column 16, line 33, in Claim 38, after "forming" delete "a" and insert -- an --, therefor.

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